

**CLAIMS**

What is claimed is:

1. An aqueous cleaning composition for hard surfaces, comprising:
  - a) from about 0.01% to about 2% by weight of an inorganic acid;
  - 5 b) from about 0.01% to about 3% by weight of a surfactant; and
  - c) from about 1% to about 10% by weight of a lower alcohol solvent.
2. The aqueous cleaning composition of claim 1, wherein:
  - a) the inorganic acid is selected from the group consisting of hydrochloric  
10 acid, sulfuric acid, sulfamic acid, sulfurous acid, persulfuric acid, phosphoric  
acid, nitrous acid, sodium bisulfate, potassium bisulfate and combinations  
thereof;
  - b) the surfactant is selected from the group consisting of sodium  
15 dodecylbenzene sulfonate, dodecylbenzene sulfonate, dodecylbenzene  
sulfonic acid, sodium laurylbenzene sulfonate, branched chain alkylaryl  
sulfonates, sodium xylene sulfonate, olefin sulfonates, hydroxyl C<sub>10</sub> to C<sub>20</sub>  
alkyl sulfonates, alkane sulfonates, alpha sulfo methyl esters, alkyl  
polyglucosides, alcohol sulfates, alcohol ether sulfates, lauryl sarcosinate, fatty  
acid salts, alcohol ethoxylates, alkylphenol ethoxylates, lauryl amine oxide,  
20 nonylphenol ethoxylates, octylphenol ethoxylates, coconut diethanolamide,  
coconut-based surfactants dialkyl dimethyl ammonium chlorides, alkyl  
dimethyl ethylbenzyl ammonium chlorides, hexadecyl trimethyl ammonium  
bromide, quaternary ammonium chlorides, alkylbetain, N-carboxyethyl-N-  
alkylamido-ethylglycinate, N-alkylamido-propyl-N-dimethyl-aminoxid and  
25 combinations thereof; and
  - c) the lower alcohol solvent is selected from the group consisting of methanol,  
ethanol, propanol, isopropanol, butanol, t-butanol, pentanol and combinations  
thereof.
3. The aqueous cleaning composition of claim 2, wherein the inorganic acid is  
30 sulfamic acid.

4. The aqueous cleaning composition of claim 2, wherein the concentration of the inorganic acid is from about 0.05% to about 1%.

5. The aqueous cleaning composition of claim 2, wherein the concentration of surfactant is from about 0.01% to about 3%.

6. The aqueous cleaning composition of claim 2, wherein the concentration of surfactant is from about 0.05% to about 2%.

7. The aqueous cleaning composition of claim 2, wherein the concentration of surfactant is from about 0.1% to about 1%.

8. The aqueous cleaning composition of claim 2, wherein the coconut-based surfactant is N,N-bis(hydroxyethyl)-cocoamide.

9. The aqueous cleaning composition of claim 2, wherein the lower alcohol solvent is selected from the group consisting of ethanol, propanol, isopropanol and combinations thereof.

10. The aqueous cleaning composition of claim 2, wherein the concentration of lower alcohol solvent is from about 1.5% to about 5%.

11. The aqueous cleaning composition of claim 2, wherein the concentration of lower alcohol solvent is from about 2% to about 3%.

12. The aqueous cleaning composition of claim 2, further comprising an organic acid.

13. The aqueous cleaning composition of claim 12, wherein the organic acid is selected from the group consisting of citric acid, acetic acid, hydroxyacetic acid, oxalic acid, maleic acid and combinations thereof.

14. The aqueous cleaning composition of claim 13, wherein the organic acid is hydroxyacetic acid.

15. The aqueous cleaning composition of claim 13, wherein the concentration of the organic acid is from about 0.002% to about 0.1%.

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16. The aqueous cleaning composition of claim 2, further comprising a builder.

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17. The aqueous cleaning composition of claim 16, wherein the builder is selected from the group consisting of sodium carbonate, sodium EDTA, sodium sulfate, sodium silicate, sodium citrate, sodium chloride, monoethanolamine, monoethanolammonium, sodium tripolyphosphate, sodium pyrophosphate and combinations thereof.

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18. The aqueous cleaning composition of claim 17, wherein the builder is selected from the group consisting of monoethanolamine, monoethanolammonium and combinations thereof.

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19. The aqueous cleaning composition of claim 17, wherein the concentration of the builder is from about 0.005% to about 1%.

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